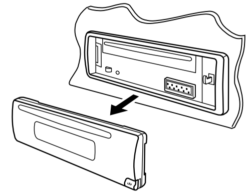
ENGLISH

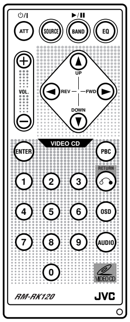
ไทย

VCD/CD RECEIVER KD-SV3105

เครื่องเล่น VCD/CD KD-SV3105



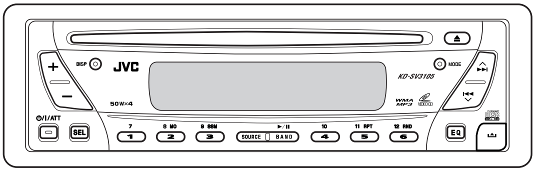




WMA
MP3

VIDEO CD

COMPACT disc DIGITAL VIDEO



For canceling the display demonstration, see page 9.
ดูที่หน้า 9 เพื่อยกเลิกการสาธิตภาพประกอบ

For installation and connections, refer to the separate manual.
กรุณาดูคู่มือที่แยกต่างหาก ในการติดตั้งและการเชื่อมต่อ

INSTRUCTIONS
คำแนะนำ

GET0262-001A
[U/UH]

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

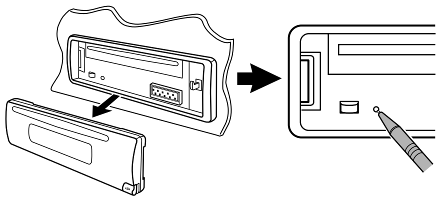
1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**ADVARSEL :** Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	**VARNING :** Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	**VARO :** Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)

WARNING:

- **DO NOT install any unit in locations where;**
  - **it may obstruct the steering wheel and gearshift lever operations, as this may result in a traffic accident.**
  - **it may obstruct the operation of safety devices such as air bags, as this may result in a fatal accident.**
  - **it may obstruct visibility.**
- **DO NOT operate any unit while manipulating the steering wheel, as this may result in a traffic accident.**
- **The driver must not watch the monitor while driving.**
  If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.
- **If you need to operate the unit while driving, be sure to look ahead carefully or you may be involved in a traffic accident.**
- **If the parking brake is not engaged, "PARKING" flashes on the display, and no playback picture will be shown on the monitor.**
  - **This warning appears only when the parking brake wire is connected to the parking brake system built in the car (refer to the Installation/ Connection Manual).**

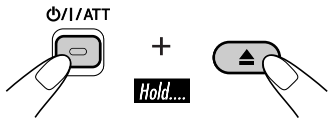
How to reset your unit



This will reset the microcomputer. Your preset adjustments will also be erased.

How to forcibly eject a disc

If a disc cannot be recognized by the unit or cannot be ejected, ejects the disc as follows.



- *If this does not work, reset your unit.*
- *Be careful not to drop the disc when it ejects.*

Contents

ENGLISH

For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

Temperature inside the car....

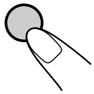
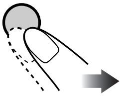
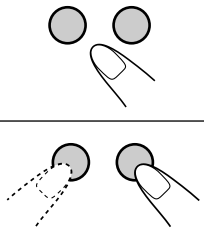
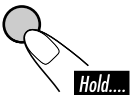
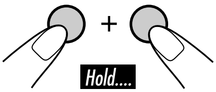
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

ENGLISH

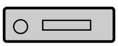
How to read this manual

The following methods are used to make the explanations simple and easy-to-understand:

- Some related tips and notes are explained in “More about this unit” (see pages 28 and 29).
- Button operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

The following marks are used to indicate...

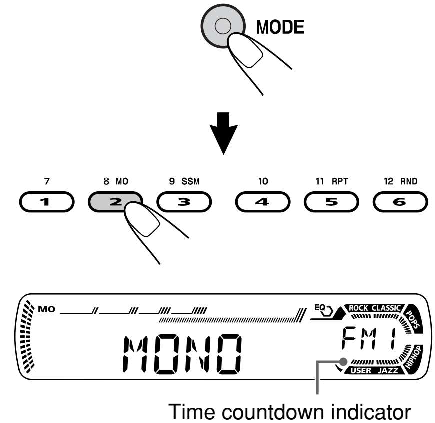
 : Built-in VCD/CD player operations.

 : External CD changer operations.

How to use the MODE button

If you press MODE, the unit goes into functions mode, then the number buttons and ∧ ▶▶|/|◀◀ ∨ buttons work as different function buttons.

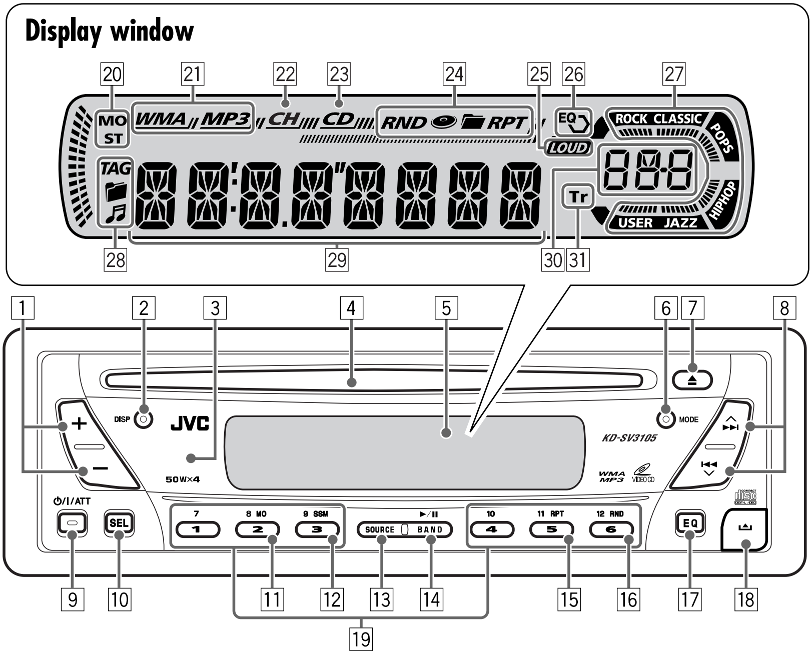
Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Parts identification



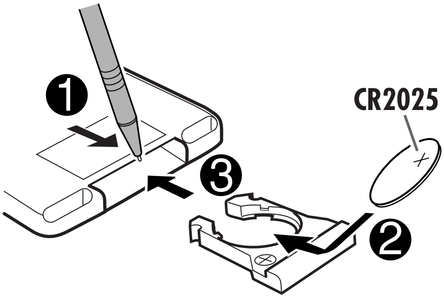
1 +/– buttons
2 DISP (display) button
3 Remote sensor
4 Loading slot
5 Display window
6 MODE button
7 ⏏ (eject) button
8 ⋀ ▶▶I/I◀◀ ⋁ buttons
9 ⏻/I/ATT (standby/on/attenuator) button
10 SEL (select) button
11 MO (monaural) button
12 SSM (Strong-station Sequential Memory) button
13 SOURCE button
14 • BAND button
• ▶/II (play/pause) button
15 RPT (repeat) button
16 RND (random) button
17 EQ (equalizer) button
18 (control panel release) button
19 Number buttons

Display window

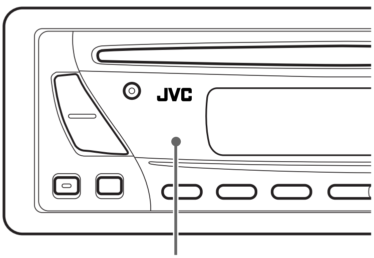
20 Tuner reception indicators—MO (monaural), ST (stereo)
21 Disc type indicators—WMA, MP3
22 CH (CD changer) indicator
23 CD indicator
24 Playback mode / item indicators—RND (random), (disc), (folder), RPT (repeat)
25 LOUD (loudness) indicator
26 EQ (equalizer) indicator
27 Sound mode (C-EQ: custom equalizer) indicators—ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
• *also works as the time countdown indicator*.
28 Disc information indicators—TAG (ID3 Tag), (folder), (track/file)
29 Main display
30 Source display / Volume level indicator
31 Tr (track) indicator

Remote controller — RM-RK120

Installing the lithium coin battery (CR2025)



- Aim the remote controller directly at the remote sensor on the unit. Make sure there is no obstacle in between.



Remote sensor

- DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).

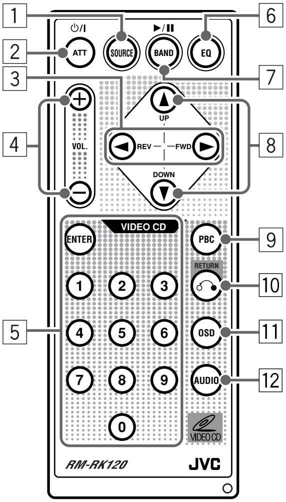
Caution:

- Do not leave the remote controller in a place (such as dashboard) exposed to direct sunlight for a long time.

Warning:

- Do not install any battery other than CR2025 or its equivalent; otherwise, it may explode.
- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
  – Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.
  – Do not leave the battery with other metallic materials.
  – Do not poke the battery with tweezers or similar tools.
  – Wrap the battery with tape and insulate when throwing away or saving it.

Main elements and features



1 SOURCE button
- Selects the playback source.

2 ⏻/I ATT (standby/on attenuator) button
- Turns on and off the power and also attenuates the sound.

3 ◄ REV / FWD ► buttons
- Searches for stations if pressed briefly.
- Fast-forwards or reverses the track if pressed and held.
- Changes the tracks/files of the disc.

4 VOL. + / – buttons
- Adjusts the volume level.

5 ENTER and number buttons
- Selects a track/file directly.
  – Press the number button(s), then press ENTER.
- Selects an item from the menu while playing back a Video CD (VCD) in Playback Control (PBC) function.
  – Press the number button(s), then press ENTER.
- Selects the discs while operating the CD changer.
  – To select disc number 1 – 6, press number button 1 – 6 briefly.
  – To select disc number 7 – 12, press and hold number button 1 (7) – 6 (12).

6 EQ (equalizer) button
- Selects the sound mode (C-EQ: custom equalizer).

7 BAND ►/II button
- Changes the FM/AM bands.
- Stops disc playback temporarily. To resume playback, press the button again.
  – Not used for CD changer operations.
  – While playing a VCD, the playback scene at the moment stops and remain stills.

8 ▲ UP / DOWN ▼ buttons
- Changes the preset stations.
- Changes the folder of the MP3/WMA discs if pressed briefly.
- Changes the disc while operating the CD changer if pressed and held.

9 PBC (Playback Control) button
- Activates or deactivates the PBC function.

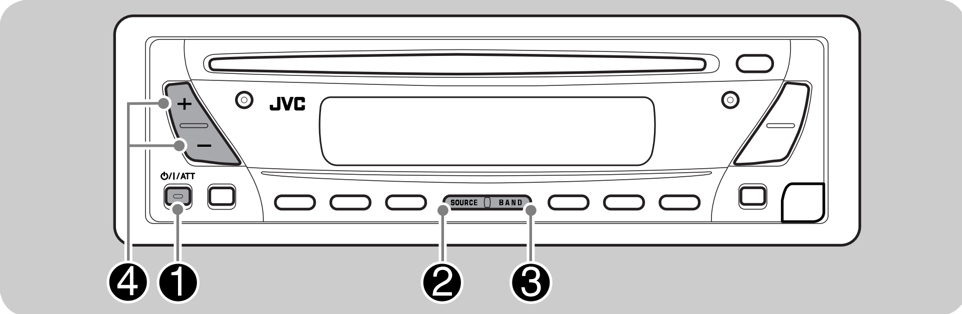
10 ↶ RETURN button
- Returns to the previous menu while playing a VCD in PBC function.

11 OSD (On-Screen Display) button
- Turn on and off the OSD on the monitor.

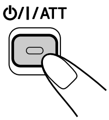
12 AUDIO button
- Selects the audio channel for VCD playback.

Getting started

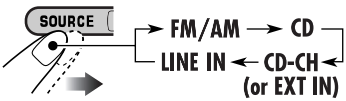
Basic operations



1

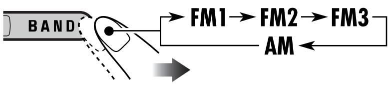


2

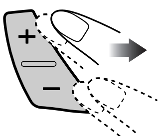


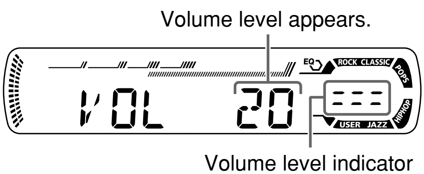
You cannot select some sources if they are not ready.

3 **For FM/AM tuner**



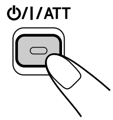
4 **Adjust the volume.**





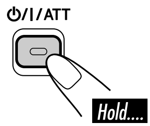
5 **Adjust the sound as you want. (See pages 21 and 22.)**

To drop the volume in a moment (ATT)



To restore the sound, press it again.

To turn off the power



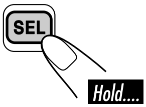
Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

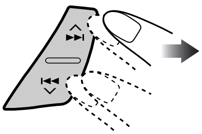
Canceling the display demonstrations

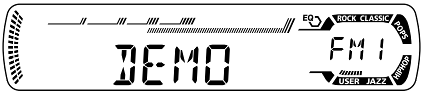
If no operations are done for about 20 seconds, display demonstration starts.
[Initial: DEMO ON]—see page 24.

1

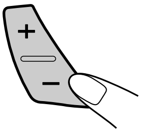


2

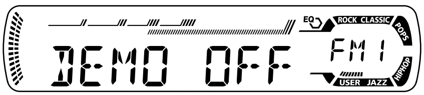




3



DEMO OFF ←→ DEMO ON

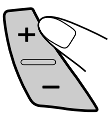


4 Finish the procedure.



To activate the display demonstration

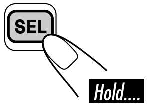
In step **3** above...



DEMO OFF ←→ DEMO ON

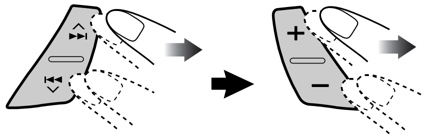
Setting the clock

1



2 Set the hour and minute.

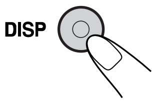
1. **Select "CLOCK H" (hour), then adjust the hour.**
2. **Select "CLOCK M" (minute), then adjust the minute.**



3 Finish the procedure.

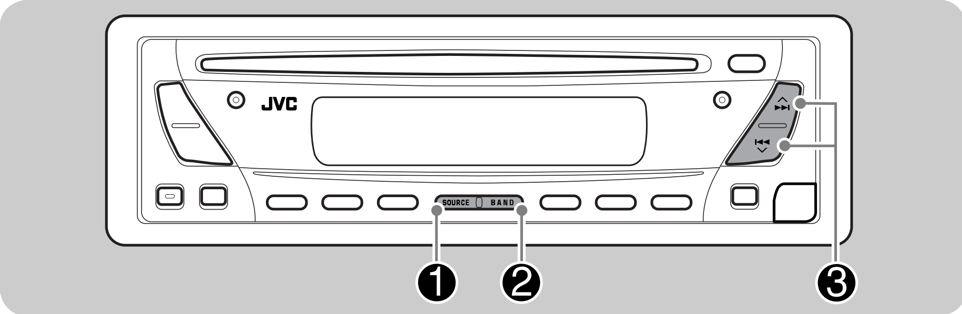


To check the current clock time when the power is turned off

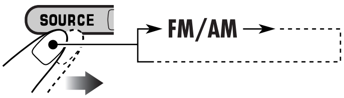


Radio operations

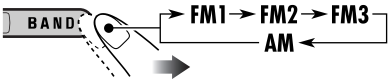
Listening to the radio



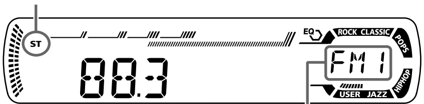
❶



❷

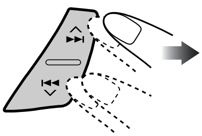


Lights up when receiving an FM stereo broadcast with sufficient signal strength.



Selected band appears.

❸ **Start searching for a station.**



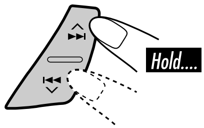
When a station is received, searching stops.

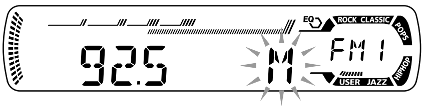
To stop searching, press the same button again.

To tune in to a station manually

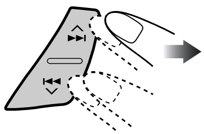
In step ❸ on the left...

1

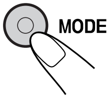


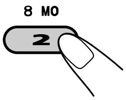


2 **Select the desired station frequencies.**

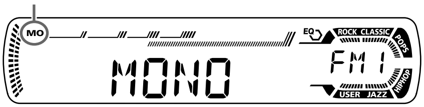


When an FM stereo broadcast is hard to receive

1


2


Lights up when monaural mode is activated.



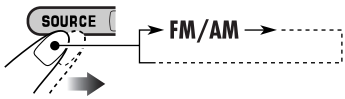
Reception improves, but stereo effect will be lost.

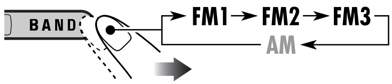
To restore the stereo effect, repeat the same procedure. "MONO OFF" appears and the MO indicator goes off.

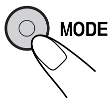
Storing stations in memory

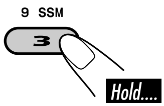
You can preset six stations for each band.

FM station automatic presetting—SSM (Strong-station Sequential Memory)

1


2 **Select the FM band (FM1 – FM3) you want to store into.**


3


4




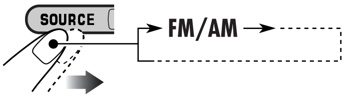
"SSM" flashes, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

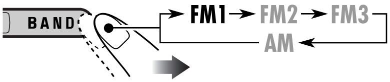
Manual presetting

Ex.: Storing FM station of 92.5 MHz into the preset number 4 of the FM1 band.

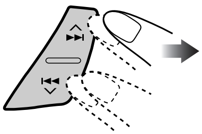
1

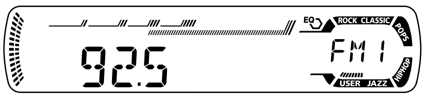


2

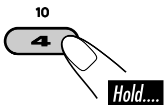


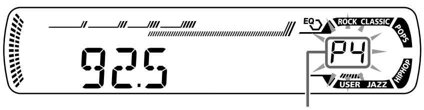
3





4

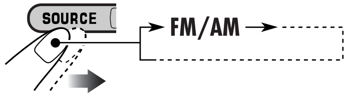




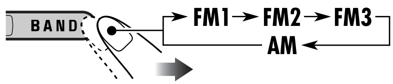
Preset number flashes for a while.

Listening to a preset station

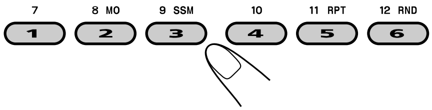
1



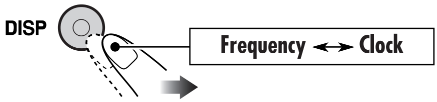
2



3 **Select the preset station (1 – 6) you want.**

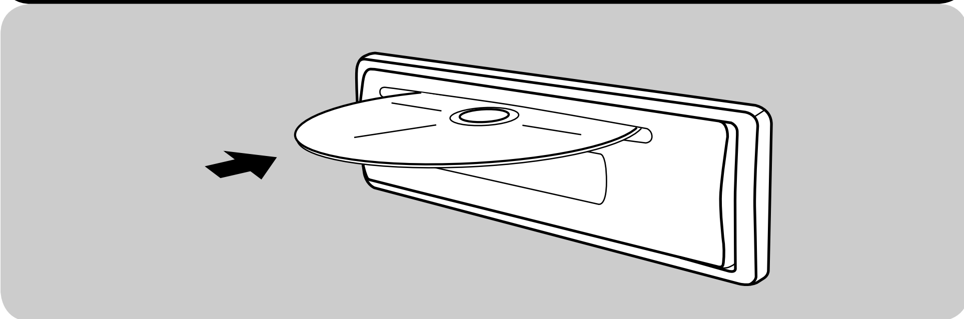


To check the current clock time while listening to an FM or AM station



Disc operations

Playing a disc in the unit



The disc type is automatically detected, and playback starts automatically. All tracks will be played repeatedly until you change the source or eject the disc.

- If a disc menu appears on the monitor while playing a VCD with PBC, see page 17.

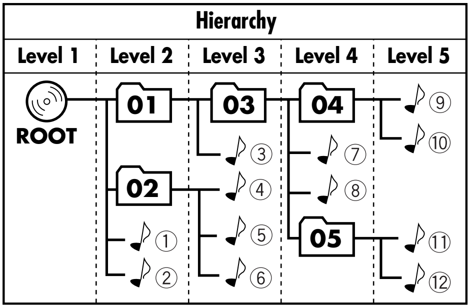
Before performing any operations, make sure the following....

- Turn on the monitor and select the appropriate monitor input before playing a VCD.
- If you turn on the monitor, you can also control the MP3/WMA playback by referring to the monitor screen (see page 18).
- Select the video system suitable for your monitor (see page 24).

About MP3 and WMA discs

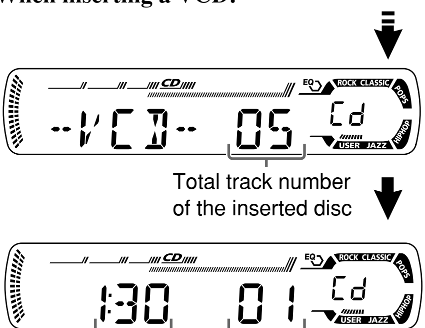
MP3 and WMA (Windows Media® Audio) “tracks” (words “file” and “track” are used interchangeably) are recorded in “folders.”

MP3 and WMA discs playback/search order



01	: Folder and their playback order
♪ ①	: MP3/WMA files and their playback order

- **When inserting a VCD:**

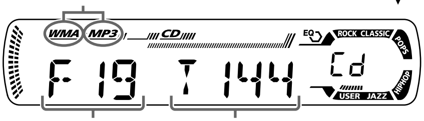


To be continued....

- **When inserting an MP3 or a WMA disc:**



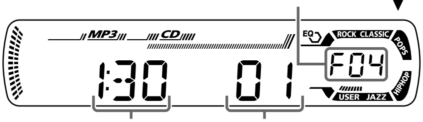
*1



Total folder number   Total track number

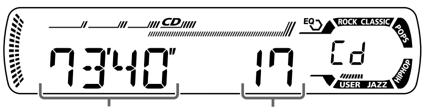
Disc information appears automatically (see page 19).

Selected folder number



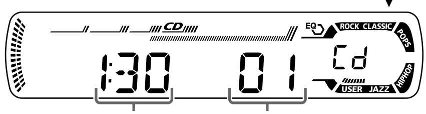
Clock   Current track number

- **When inserting an audio CD or a CD Text disc:**



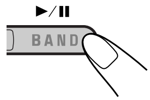
Total playing time of the inserted disc   Total track number of the inserted disc

CD Text: Disc title/performer → Track title appears automatically (see page 19).



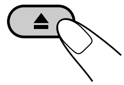
Clock*2   Current track number

To stop play temporarily



- To resume playback, press the button again.

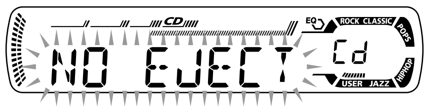
To stop play and eject the disc



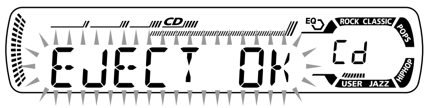
Prohibiting disc ejection

You can lock a disc in the loading slot.





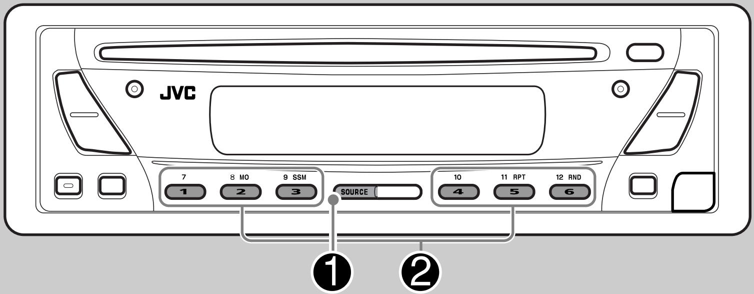
To cancel the prohibition, repeat the same procedure.



*1 *Either the MP3 or WMA indicator lights up depending on the detected file.*

*2 *Elapsed playing time appears for a while if the current disc is an audio CD.*

Playing a disc in the CD changer



About the CD changer

It is recommended to use the JVC MP3-compatible CD changer with your unit.

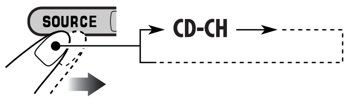
- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this unit.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.

Before operating your CD changer:

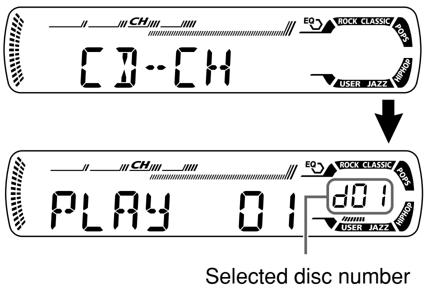
- Refer also to the Instructions supplied with your CD changer.
- You cannot control and play any WMA or VCD disc in the CD changer.

All tracks of the inserted discs in the magazine will be played repeatedly until you change the source or eject the magazine from the CD changer.

❶

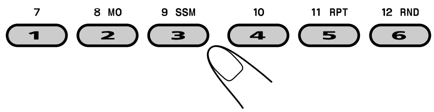


* *If you have changed "EXT IN" setting to "EXT IN" (see page 24), you cannot select the CD changer.*

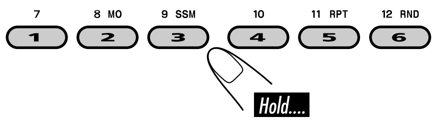


❷ **Select a disc.**

For disc number from 01 – 06:

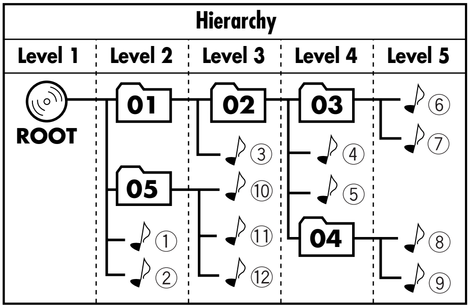


For disc number from 07 – 12:



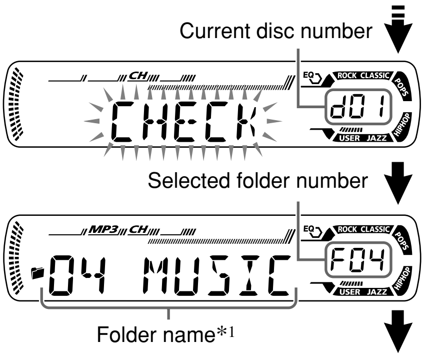
To be continued....

MP3 discs playback/search order in the CD changer

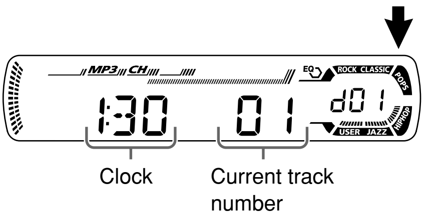


01	: Folder and their playback order
♪①	: MP3 files and their playback order

• **When the current disc is an MP3 disc:**

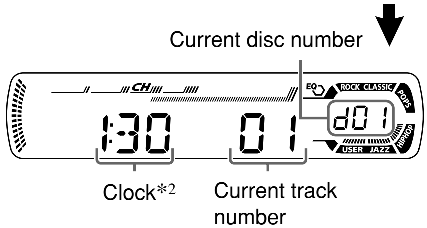


Disc information appears automatically (see page 19).



• **When the current disc is an audio CD or a CD Text disc:**

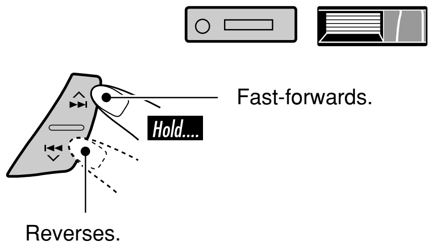
CD Text: Disc title/performer → Track title appears automatically (see page 19).



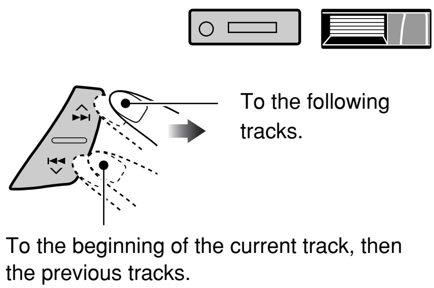
*1 *"ROOT" appears if no folder is included in the disc.*

*2 *Elapsed playing time appears for a while if the current disc is an audio CD.*

To fast-forward or reverse the track

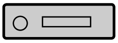


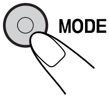
To go to the next or previous tracks

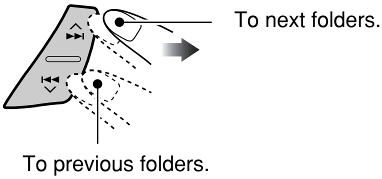


To go to the next or previous folders (only for MP3 or WMA discs)

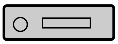
For MP3 discs: 

For WMA discs: 

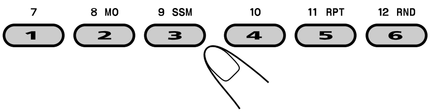
1 

2 

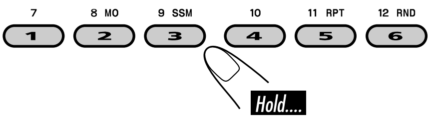
To locate a particular track (for audio CD, CD Text, or VCD with PBC set to "PBC OFF") or folder (for MP3 or WMA discs) directly



To select a number from 01 – 06:

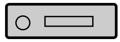


To select a number from 07 – 12:



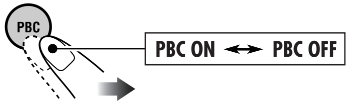
- To use folder search on MP3/WMA discs, it is required that folders are assigned with 2-digits number at the beginning of their folder names—01, 02, 03, and so on.

Playback Control (PBC) operations



This operation is only possible when using the remote controller.

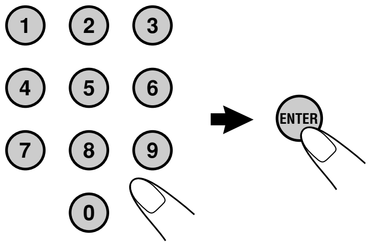
1 **While playing a VCD....**



PBC ON	: A menu appears on the monitor.
PBC OFF	: Cancels.

- A menu may be a list of items, submenus, or some moving pictures.

2 **Select the item you want.**



- To select an item from the submenus, repeat this step.

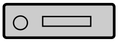
The selected item starts playback automatically.

To correct a mis-entry and to return to the previous menu



ENGLISH

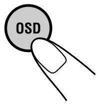
On-Screen (OSD) information



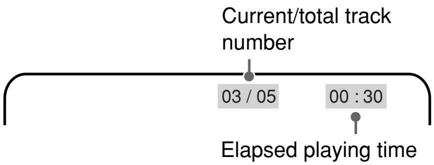
This operation is only possible when using the remote controller.

You can check the track number and elapsed playing time if the monitor is turned on.

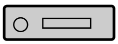
While playing a disc....



- To turn off the On-Screen Display, press the button again.

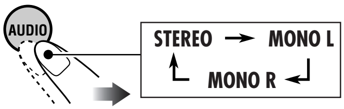


Selecting the audio channel



This operation is only possible when using the remote controller.

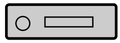
You can select the audio channel to play. (This is convenient when playing a Karaoke VCD.)



STEREO	:	To listen to normal stereo (left/right) playback.
MONO L	:	To listen to the L (left) audio channel.
MONO R	:	To listen to the R (right) audio channel.

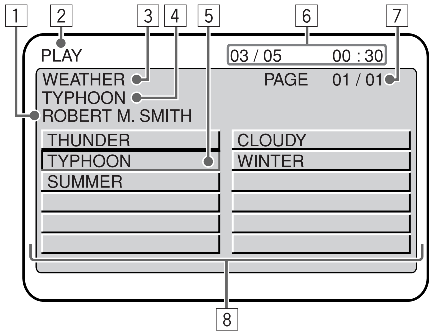
- The audio channel is automatically set to “STEREO” when you change the disc or source.

MP3/WMA control screen operations



You can also control the playback of an MP3/WMA disc by referring to the monitor.

- The control screen automatically appears on the monitor when you insert an MP3/WMA disc.



1 Artiste name* (only for MP3 discs)
- The artiste name will scroll on the monitor if it cannot be shown at a time.

2 Operation mode—PLAY, PAUSE, FF (fast-forward), FR (fast-reverse), SELECT (selected track number), REPEAT TRACK, REPEAT FOLDER, REPEAT OFF, RANDOM FOLDER, RANDOM DISC, RANDOM OFF
- Operation mode appears for a while on the monitor.

3 Folder name*

4 Track title* (only for MP3 discs)
- The track title will scroll on the monitor if it cannot be shown at a time.

5 Highlighted bar for the current file name*

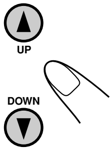
6 OSD indication—Current/total track number, Elapsed playing time
- Appears only if you turn on the OSD (see left column).

7 Current list/total list number

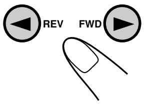
8 Track list
- The monitor can show 12 tracks at a time and a maximum of 239 tracks for a disc.

* *Some symbols will not be shown (and will be substituted or blanked) on the control screen.*

To select a folder



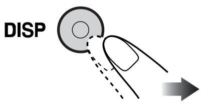
To select a track



- Pressing these buttons repeatedly can also select tracks from the previous/next folders.

- See also page 16 for using the buttons on the control panel to select a folder or track.

Changing the display information



While playing an audio CD, a CD Text (/), or a VCD ( ) with PBC set to "PBC OFF" (see page 17)

Clock and Current track number
↓
Disc title / performer*1
↓
Track title*1
(♫ lights up on the display)
↓
Elapsed playing time and Current track number
(returns to Clock and Current track number)

While playing an MP3 (/) or WMA ( ) disc

- **Only for MP3 disc: When "TAG DISP" is set to "TAG ON" (see page 24)**

Clock and Current file number
↓
Album name / performer (folder name*2**)**
(TAG 📁 lights up on the display)
↓
Track title (file name*2**)**
(TAG ♫ lights up on the display)
↓
Elapsed playing time and Current file number
(returns to Clock and Current file number)

- **For MP3 disc: When "TAG DISP" is set to "TAG OFF"**
- **For WMA disc:**

Clock and Current file number
↓
Folder name
(📁 lights up on the display)
↓
File name
(♫ lights up on the display)
↓
Elapsed playing time and Current file number
(returns to Clock and Current file number)

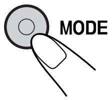
*1 *If the current disc is an audio CD or a VCD, "NO NAME" appears.*

*2 *If an MP3 file does not have ID3 tags, folder name and file name appear. In this case, the TAG indicator will not light up.*

Selecting the playback modes

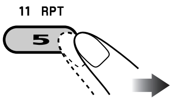
You can use only one of the following playback modes at a time.
- For VCD: While PBC (see page 17) is not in use.

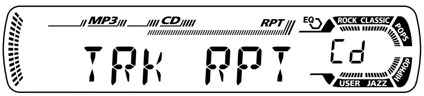
1



2 Select your desired playback mode.

Repeat play

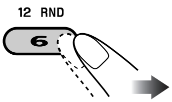




Ex.: When "TRK RPT" is selected while playing an MP3 disc

Mode		Plays repeatedly
TRK RPT	:	The current track. • RPT lights up.
FLDR RPT*1	:	All tracks of the current folder. • and RPT light up.
DISC RPT*2	:	All tracks of the current disc. • and RPT light up.
RPT OFF	:	Cancels.

Random play





Ex.: When "DISC RND" is selected while playing an MP3 disc

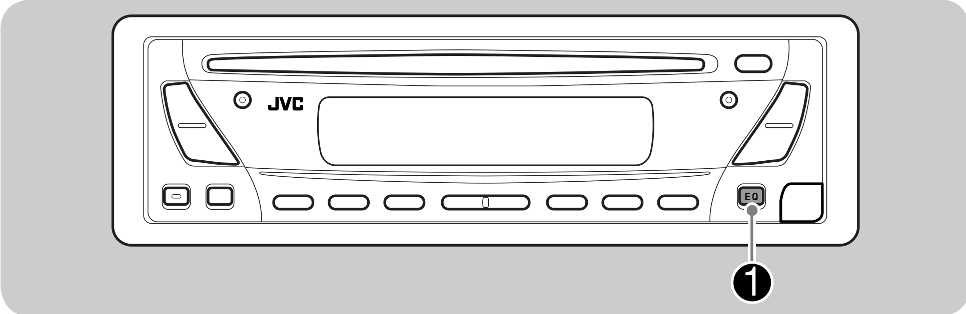
Mode		Plays at random
FLDR RND*1	:	All tracks of the current folder, then tracks of the next folder and so on. • RND and light up.
DISC RND	:	All tracks of the current disc. • RND and light up.
MAG RND*2	:	All tracks of the inserted discs. • RND lights up.
RND OFF	:	Cancels.

*1 *Only while playing an MP3 (/) or WMA ( ) disc.*

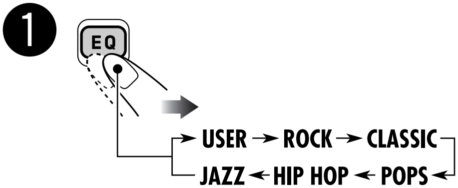
*2 *Only while playing discs in the CD changer ( ).*

Sound adjustments

Selecting preset sound modes (C-EQ: custom equalizer)



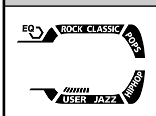
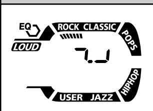
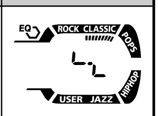
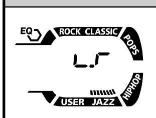
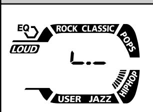
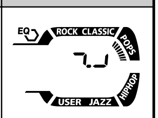
You can select a preset sound mode suitable to the music genre.





Ex.: When "ROCK" is selected

Indication pattern for each sound mode:

USER	ROCK	CLASSIC
		
JAZZ	**HIP HOP**	**POPS**
		

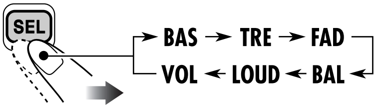
Indication	For:	Preset values		
		BAS*1	TRE*2	LOUD*3
USER	(Flat sound)	00	00	OFF
ROCK	Rock or disco music	+03	+01	ON
CLASSIC	Classical music	+01	–02	OFF
POPS	Light music	+04	+01	OFF
HIP HOP	Funk or rap music	+02	00	ON
JAZZ	Jazz music	+02	+03	OFF

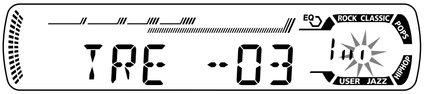
*1 *BAS: Bass*
*2 *TRE: Treble*
*3 *LOUD: Loudness*

ENGLISH

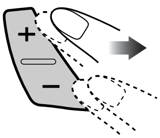
Adjusting the sound

You can adjust the sound characteristics to your preference.

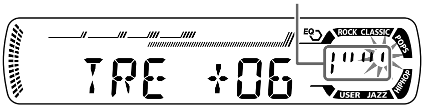
1




Ex.: When "TRE" is selected

2


Indication pattern changes as you adjust the level.



Indication	To do:	Range
BAS*1 (bass)	Adjust the bass.	–06 (min.) to +06 (max.)
TRE*1 (treble)	Adjust the treble.	–06 (min.) to +06 (max.)
FAD*2 (fader)	Adjust the front and rear speaker balance.	R06 (Rear only) to F06 (Front only)
BAL (balance)	Adjust the left and right speaker balance.	L06 (Left only) to R06 (Right only)
LOUD*1 (loudness)	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON ⬍ LOUD OFF
VOL*3 (volume)	Adjust the volume.	00 (min.) to 30 or 50 (max.)*4

*1 *When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."*

*2 *If you are using a two-speaker system, set the fader level to "00."*

*3 *Normally the +/– buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.*

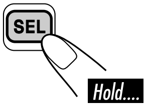
*4 *Depending on the amplifier gain control setting. (See page 24 for details.)*

General settings — PSM

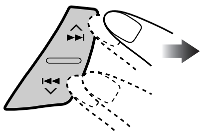
Basic procedure

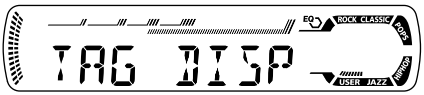
You can change PSM (Preferred Setting Mode) items listed in the table on page 24.

1



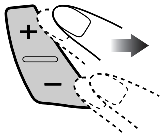
2 Select a PSM item.

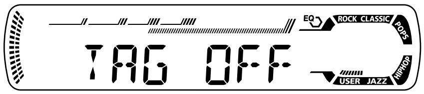




Ex.: If "TAG DISP" is selected

3 Adjust the PSM item selected.





Ex.: If "TAG OFF" is selected

4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

5 Finish the procedure.



Indications	Selectable settings, [reference page]
DEMO Display demonstration	**DEMO ON** : *[Initial];* Display demonstration will be activated automatically if no operation is done for about 20 seconds, [9]. **DEMO OFF** : Cancels.
CLOCK H Hour adjustment	1 – 12, [9] *[Initial: 1 (1:00)]*
CLOCK M Minute adjustment	00 – 59, [9] *[Initial: 00 (1:00)]*
DIMMER Dimmer	**ON** : Activates dimmer. **OFF** : *[Initial];* Cancels.
TEL Telephone muting	**MUTING 1/ MUTING 2:** Select either one which mutes the sounds while using the cellular phone. **OFF** : *[Initial];* Cancels.
SCROLL*1 Scroll	**ONCE** : *[Initial];* Scrolls the disc information once. **AUTO** : Repeats scrolling (5-seconds interval in between). **OFF** : Cancels. • Pressing DISP for more than one second can scroll the display regardless of the setting.
TAG DISP Tag display	**TAG ON** : *[Initial];* Shows the ID3 tag while playing MP3 tracks, [19]. **TAG OFF** : Cancels.
AMP GAIN Amplifier gain control	You can change the maximum volume level of this unit. **LOW PWR** : VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from damaging the speaker.) **HIGH PWR** : *[Initial];* VOL 00 – VOL 50
VIDEO Video system	**PAL** : *[Initial];* Select this if your monitor is of the PAL color system. **NTSC** : Select this if your monitor is of the NTSC color system. • Press SEL to activate the selection before you select the other PSM items to adjust.
EXT IN*2 External input	**CHANGER** : *[Initial];* To use a JVC CD changer, [15]. **EXT IN** : To use another external component, [26].

*1 *Some characters or symbols will not be shown (and will be blanked) on the display. (Ex. "ABCå!d#" ⇨ "ABCA D ".)*

*2 *Displayed only when one of the following sources is selected—FM, AM, or CD.*

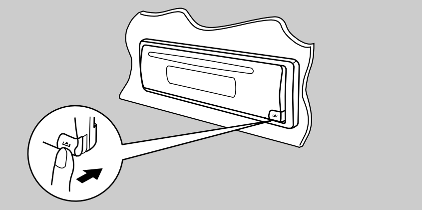
Detaching the control panel

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

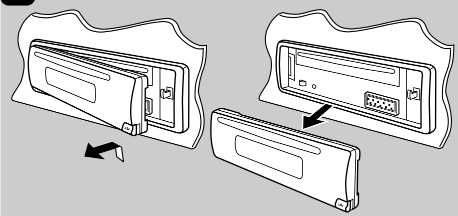
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

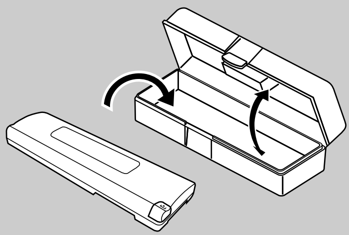
1



2

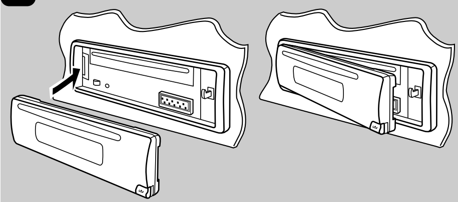


3

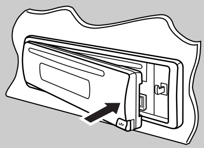


Attaching the control panel

1

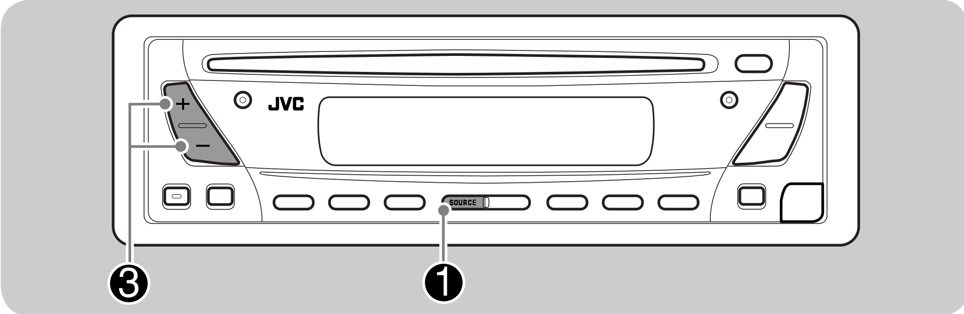


2



External component operations

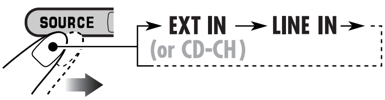
Playing an external component



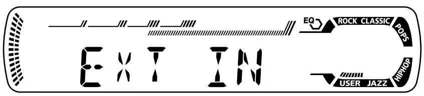
You can connect an external component to the LINE IN plugs on the rear, and another to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied).

• For connection, see Installation/Connection Manual (separate volume).

❶

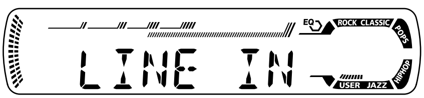


EXT IN : For selecting the external component connected to the CD changer jack on the rear using KS-U57.



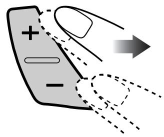
• If "EXT IN" does not appear, see page 24 and select the external input (EXT IN).

LINE IN : For selecting the external component connected to the LINE IN plugs.



❷ **Turn on the connected component and start playing the source.**

❸ **Adjust the volume.**

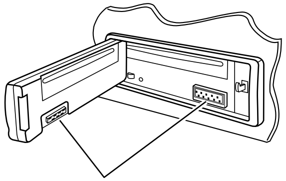


❹ **Adjust the sound as you want. (See pages 21 and 22.)**

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.

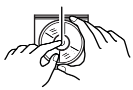


Moisture condensation

Moisture may condense on the lens inside the VCD/CD player in the following cases:
- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the VCD/CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

How to handle discs



When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.
- Always hold the disc by the edges. Do not touch its recording surface.

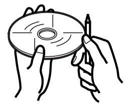
When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).
- Make sure to store discs into the cases after use.

To keep discs clean



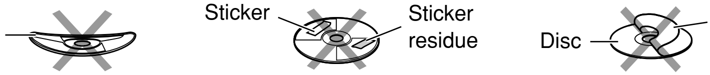
A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

To play new discs



New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.
To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:



More about this unit

Basic operations

Turning on the power

- By pressing SOURCE on the unit, you can also turn on the power.

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.
  For MP3/WMA discs, playback will start from the beginning of the last playing track.

Tuner operations

Storing stations in memory

- During SSM search...
  – All previously stored stations are erased and stations are stored newly.
  – Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  – When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA format.
- This unit cannot playback SVCD, DVDs, CD-Gs, or CD-I discs.
- When a disc has been loaded, selecting "CD" for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, the disc automatically ejects.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can play back only the files of the same type which is first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, and for the following causes:
  – Discs are dirty or scratched.
  – Moisture condensation occurs on the lens inside the unit.
  – The pickup lens inside the unit is dirty.
  – CD-R or CD-RW on which the files are written with "Packet Write" method.
  – There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
  – Discs with stickers, labels, or protective seal stuck to the surface.
  – Discs on which labels can be directly printed by an ink jet printer.
  Using these discs under high temperatures or high humidities may cause malfunctions or damages to discs.

Playing a VCD disc

- The PBC function is not available for some VCDs.
- The PBC function is automatically canceled when you change the source or turn off the unit. Playback starts from the beginning of the dics when you play the VCD again.

- The On-Screen Display (OSD) will automatically canceled when you change the source or turn off the unit.

Playing an MP3/WMA disc

- While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.
- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and ID3 Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files.
- This unit can handle only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
  – Bit rate: MP3: 32 kbps — 320 kbps
    WMA: 48 kbps — 192 kbps
  – Sampling frequency:
    48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
    24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
    48 kHz, 44.1 kHz, 32 kHz (for WMA)
  – Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/ folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
  – ISO 9660 Level 1: up to 12 characters
  – ISO 9660 Level 2: up to 31 characters
  – Romeo: up to 40 characters
  – Joliet: up to 40 characters
  – Windows long file name: up to 40 characters
- This unit can recognize the total of 512 files, of 256 folders, and of 8 hierarchies.
- This unit can play back the files recorded in VBR (variable bit rate).
  The files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.
- This unit cannot play back the following files:
  – MP3 files encoded with MP3i and MP3 PRO format.
  – MP3 files encoded in an unappropriated format.
  – MP3 files encoded with Layer 1.
  – WMA files encoded with lossless, professional, and voice format.
  – WMA files which are not based upon Windows Media® Audio.
  – WMA formatted files copy-protected with DRM.
  – Files which have the data such as WAVE, ATRAC3, etc.
- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
  Next time you select “CD” for the playback source, disc play starts from where it has been stopped previously.
  For MP3/WMA discs, playback will start from the beginning of the last playing track.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

General settings—PSM

- If you change the “AMP GAIN” setting from “HIGH PWR” to “LOW PWR” while the volume level is set higher than “VOL 30,” the unit automatically changes the volume level to “VOL 30.”

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	• The unit does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the unit (see page 2).
FM/AM	• SSM automatic presetting does not work.	Signals are too weak.	Store stations manually.
	• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
Disc playback	• Disc automatically ejects.	Disc is inserted upside down.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	CD-R/CD-RW is not finalized.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc can be neither played back nor ejected.	Disc is locked.	Unlock the disc (see page 14).
		The VCD/CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).
	• Sound and pictures are sometimes interrupted or distorted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
	• “NO DISC” appears on the display.	No disc is in the loading slot.	Insert a disc into the loading slot.
		Disc is inserted incorrectly.	Insert the disc correctly.

	Symptoms	Causes	Remedies
Disc playback	• Track skips automatically and no sound can be heard.	• Tracks are not encoded in an appropriate format. • Copy-protected WMA tracks cannot be played back.	Skip to the next track.
	• No playback picture (VCD) appears on the monitor.	Parking brake wire is not connected properly.	See Installation/Connection Manual.
		The video cord is not connected correctly.	Connect the video cord correctly.
		An incorrect input has been selected on the monitor.	Select a correct input on the monitor.
MP3/WMA playback	• Disc cannot be played back.	No MP3/WMA tracks are recorded on the disc.	Change the disc.
		MP3/WMA tracks do not have the extension code <.mp3> or <.wma> in their file names.	Add the extension code <.mp3> or <.wma> to their file names.
		MP3/WMA tracks are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc. (Record MP3/WMA tracks using a compliant application.)
	• Noise is generated.	The track played back is not an MP3/WMA file (although it has the extension code <.mp3> or <.wma>).	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	• A longer readout time is required ("CHECK" keeps flashing on the display).	Readout time varies due to the complexity of the folder/ file configuration.	Do not use too many hierarchies and folders.

To be continued....

	Symptoms	Causes	Remedies
MP3/WMA playback	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.	———
	• "NO FILES" appears on the display.	The current disc does not contain any MP3/WMA tracks.	Insert a disc that contains MP3/WMA tracks.
	• Correct characters are not displayed (e.g. album name).	This unit can only display alphabets (capital: A – Z), numbers, and a limited number of symbols.	———
CD changer	• "NO DISC" appears on the display.	No disc is in the magazine.	Insert disc into the magazine.
		Disc is inserted upside down.	Insert disc correctly.
	• "NO MAG" appears on the display.	No magazine is loaded in the CD changer.	Insert the magazine.
	• "RESET 8" appears on the display.	This unit is not connected to the CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	• "RESET 1" – "RESET 7" appears on the display.	———	Press the reset button of the CD changer.
	• The CD changer does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	Reset the unit (see page 2).

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:
 Front: 50 W per channel
 Rear: 50 W per channel
Continuous Power Output (RMS):
 Front: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
 Rear: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:
 Bass: ±10 dB at 100 Hz
 Treble: ±10 dB at 10 kHz
Frequency Response: 40 Hz to 20 000 Hz
Signal-to-Noise Ratio: 70 dB
Line-Out Level/Impedance:
 2.0 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ
Other Terminals: LINE IN, CD changer

VIDEO SECTION

Color system: PAL/NTSC
Video output (composite): 1 Vp-p/75 Ω

TUNER SECTION

Frequency Range:
 FM: 87.5 MHz to 108.0 MHz
 AM: 531 kHz to 1 602 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity:
 16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 35 dB
Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μV
Selectivity: 35 dB

VCD/CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of Channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit
MP3: Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio):
 Max. Bit Rate: 192 kbps

GENERAL

Power Requirement:
 Operating Voltage:
  DC 14.4 V (11 V to 16 V allowance)
Grounding System: Negative ground
Allowable Operating Temperature:
  0°C to +40°C
Dimensions (W × H × D):
 Installation Size (approx.):
  182 mm × 52 mm × 150 mm
 Panel Size (approx.):
  188 mm × 58 mm × 11 mm
Mass (approx.):
 1.3 kg (excluding accessories)

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Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

หากมีปัญหาในการใช้งาน

กรุณากดปุ่มตั้งค่าเริ่มต้นใหม่

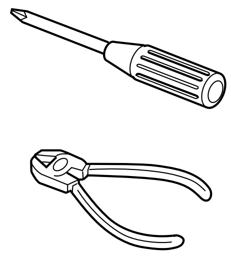
กรุณาดูหน้าวิธีตั้งค่าเครื่องใหม่

JVC

EN, TH

0405DTSMDTJEIN

JVC KD-SV3105
Installation/Connection Manual
การติดตั้ง/คู่มือการติดตั้ง



GET0262-004A
[U/UH]

0305DTSMDTJEIN
EN, TH

ENGLISH

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

WARNINGS

- DO NOT install any unit in locations where;
  – it may obstruct the steering wheel and gearshift lever operations, as this may result in a traffic accident.
  – it may obstruct the operation of safety devices such as air bags, as this may result in a fatal accident.
  – it may obstruct visibility.
- DO NOT operate any unit while manipulating the steering wheel, as this may result in a traffic accident.
- The driver must not watch the monitor while driving.
  If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.
- If you need to operate the unit while driving, be sure to look ahead carefully or you may be involved in a traffic accident.
- If the parking brake is not engaged, “PARKING” flashes on the display, and no playback picture will be shown on the monitor.
  – This warning appears only when the parking brake wire is connected to the parking brake system built in the car.

ไทย

ชุดขขประกอบนี้ได้รับการออกแบบมาเพื่อใช้งานกับระบบ กระแไฟฟ้ายดินขั้วลบกระแตรง **12 โวลท์ หากรถยนต์ของคุณไม่ได้ใช้ระบบนี้ ต้องใช้เครื่องแปลงกระแไฟช่วย** ซึ่งามารถหาซื้อได้จากร้านขายเครื่องีเยงรถยนต์ JVC

คำเตือน

- อย่าติดตั้งเครื่องในตำแหน่งท
  — อาจกีดขวางการทำงานของพวงมาลัยและคันเกียร์ เพราะอาจก่อให้เกิดอุบัตเหตุขึ้
  — อาจกีดขวางการทำงานของอุปกรณ์ป้องกันควาปลอดภัย เช่น แอร์แบค เพราะอาจก่อให้เกิดอันตรายร้ายแรงถึงชีวิตขึ้นได้
  — อาจกีดขวางสายตา
- อย่าใช้งานขณะขับขี่ เพราะอาจก่อให้เกิดอุบัติเหตุขึ้นได
- ผู้ขับต้องไม่มองที่จอมอนิเตอร์ขณะขับขี่ ถ้าผู้ขั
  บมองที่จอมอนิเตอร์ขณะขับขี่ อาจนำไปสู่ความประมาท และเป็นสาเหตุให้เกิดอุบัติเหตุขึ้นได
- ถ้าจำเป็นต้องใช้เครื่องขณะขับขี่ ขอให้ดูทางข้างหน้าให้ดีมิฉะนั้น อาจเกิดอุบัติเหตุขึ้นได
- หากไม่ได้ขึ้นเบรกมือ ข้อความ “PARKING” จะกระพริบบนจอแ ดงผล และจะไม่มีรูปการเล่นแ ดงบนจอภาพ
  — คำเตือนนี้จะปรากฏขึ้นเฉพาะเมื่อต่อสายเบรกกับระบบเบรกในรถยนต์ไว้เท่านั้น

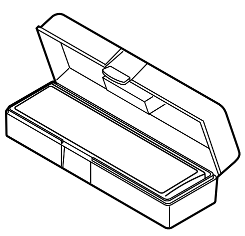
Parts list for installation and connection

The following parts are provided for this unit.
After checking them, please set them correctly.

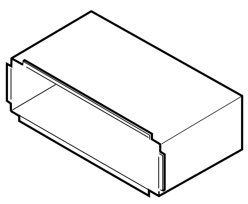
รายการ่วนประกอบำหรับติดตั้งและเชื่อมต่อกัน

สวนประกอบต่อไปนี้ให้มากับชุดประกอบนี้ หลังจากตรวจสอบแล้ว ปรับตั้งเครื่องให้ถูกต้อง

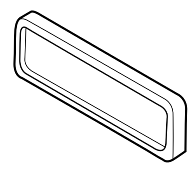
Ⓐ / Ⓑ Hard case/Control panel
ลังบรรจุ/หน้าปัด



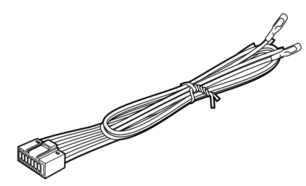
Ⓒ Sleeve
ปลอกหุ้ม



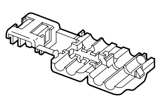
Ⓓ Trim plate
แผ่นโลหะขอบแต่ง



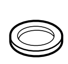
Ⓔ Power cord
ายเคเบิลกำลัง



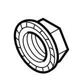
Ⓕ Crimp connector
ขั้วต่อสำหรับหนีบ



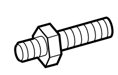
Ⓖ Washer (ø5)
ประเก็นวงแหวน (ø5)



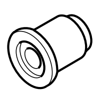
Ⓗ Lock nut (M5)
นอตล็อค (M5)



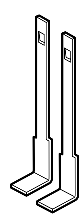
Ⓘ Mounting bolt (M5 x 20 mm)
สลักติด (M5 x 20 มิลลิเมตร)



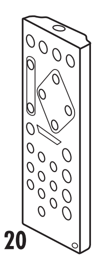
Ⓙ Rubber cushion
ยางกันกระแทก



Ⓚ Handles
คันบังคับ

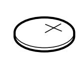


Ⓛ Remote controller
รีโมตคอนโทรล



RM-RK120

Ⓜ Battery
แบตเตอร



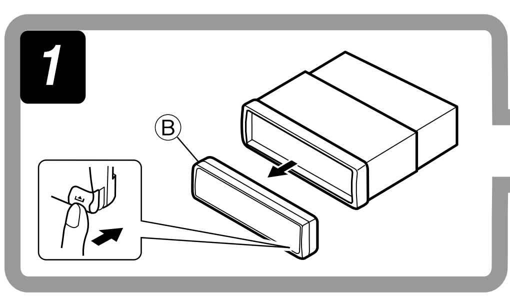
CR2025

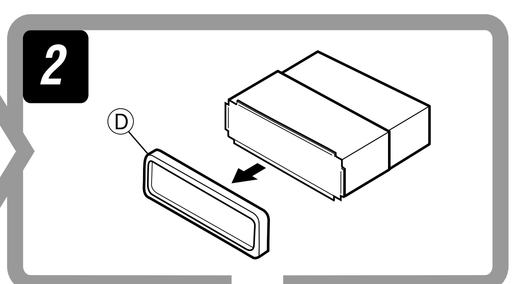
INSTALLATION (IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

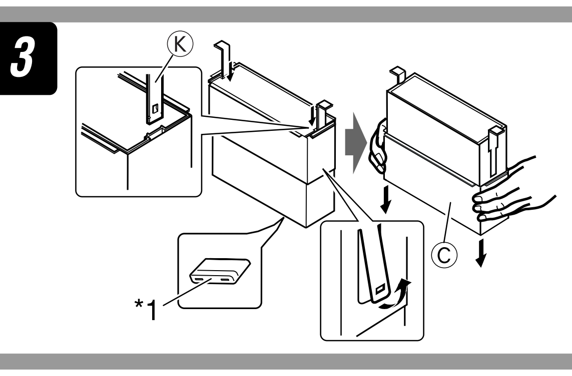
การติดตั้ง(การประกอบแผงหน้าปัทม์เข้า)

ภาพตัวอย่างต่อไปนี้แดงถึงการติดตั้งแบบทั่วไป หากคุณมีปัญหาหรือต้องการข้อมูลเกี่ยวกับชุดติดตั้ง กรุณาปรึกษากบผู้ขายเครื่องีเยงรถยนต์ JVC ของท่านหรือบริษั
- ชุดประกอบ ถ้าคุณไม่แน่ใจว่าติดตั้งชุดประกอบนี้ถูกต้องหรือไม่ ให้หาช่างผู้เชี่ยวชาญเป็นผู้ติดตั้ง



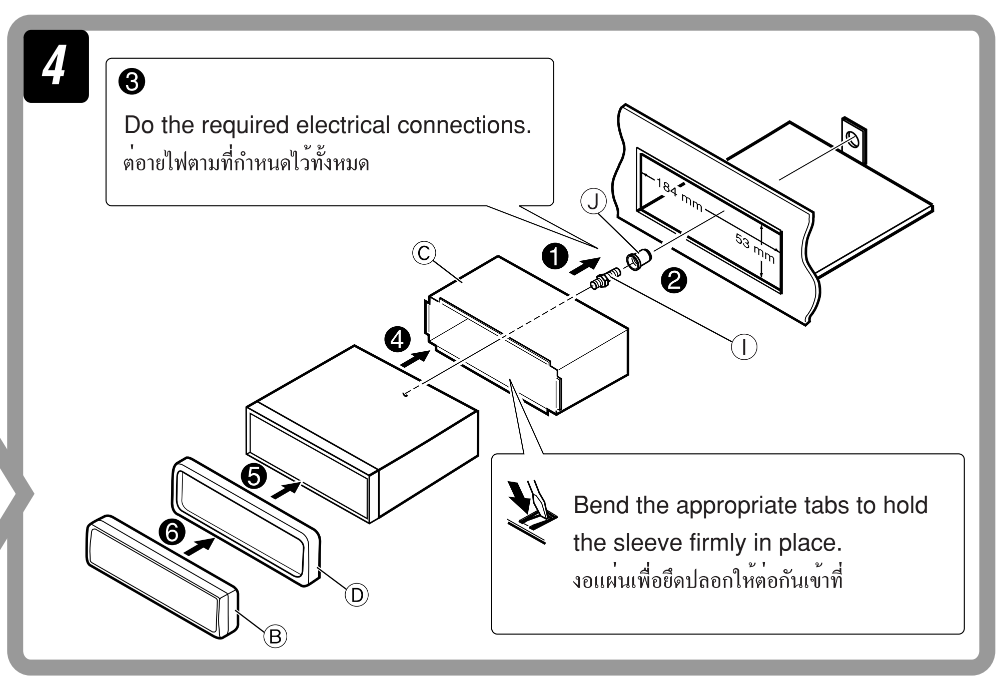


3

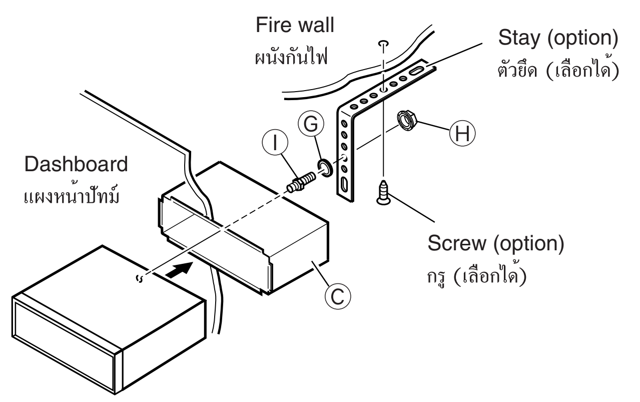


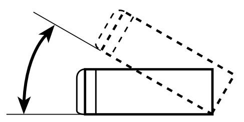
*1 When you stand the unit, be careful not to damage the fuse on the rear.

*1 เมื่อคุณตั้งชุดประกอบขึ้น ระวังอย่าทำให้ฟิวส์บริเวณส่วนท้ายเสียหาย



When using the optional stay / เมื่อใช้ตัวยึดแบบเลือกได้

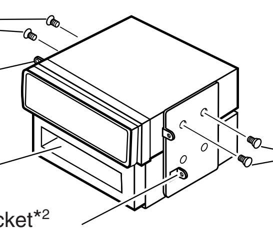




Install the unit at an angle of less than 30˚.
ติดตั้งชุดประกอบที่มุมต่ำกว่า 30 องศา

When installing the unit without using the sleeve / เมื่อติดตั้งชุดประกอบโดยไม่ใช้ปลอกหุ้ม

In a Toyota for example, first remove the car radio and install the unit in its place.
ตัวอย่างเช่น ในรถยนต์โตโยต้า ให้ถอดวิทยุติดรถยนต์ออกก่อนและติดตั้งชุดประกอบนี้เข้าไปแทน



*2 Not included for this unit.
*2 ไม่ได้ให้มากับชุดประกอบนี้

Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
หมายเหตุ : เมื่อติดตั้งชุดประกอบลงในแท่นรองรับไว้ ให้ใช้กรูยาวขนาด 8 มิลลิเมตร ถ้าใช้กรูยาวกว่านี้อาจทำให้ชุดประกอบเสียหายได้

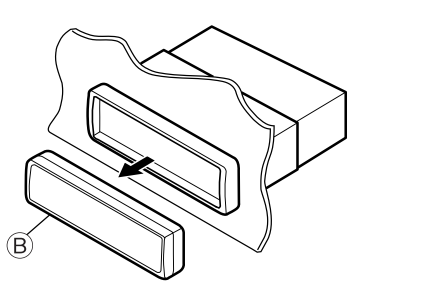
Removing the unit

Before removing the unit, release the rear section.

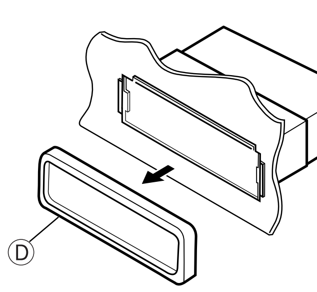
การถอดชุดประกอบ

ก่อนจะถอดชุดประกอบ ให้ปลดหน้าตัดส่วนท้ายก่อน

1

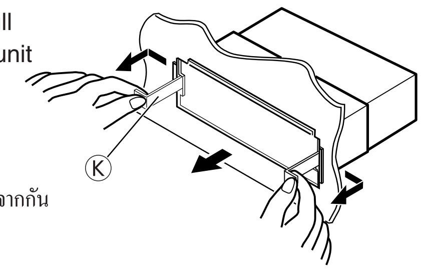


2



3

Insert the two handles, then pull them as illustrated so that the unit can be removed.
ใส่คันบังคับ 2 อันลงในร่องสำหรับใช้พันลวด ดังภาพ จากนั้น ให้เลื่อนชุดประกอบออก ในขณะที่ค่อย ๆดึงคันบังคับทั้ง 2 อันออกจากกัน



ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 24 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.

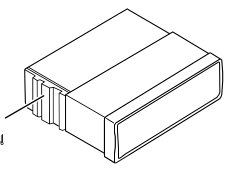
การเชื่อมโดยใช้ไฟฟ้า

เพื่อป้องกันการเกิดไฟฟ้าลัดวงจร ขอแนะนำให้ปลดขั้วแบตเตอรี่ลบออก แล้วจึงต่อสายไฟก่อนติดตั้งเครื่อง

- **ตรวจสอบให้แน่ใจว่าได้เดินสายดินต่อระหว่างเครื่องกับตัวถัง รถยนต์ใหม่แล้วหลังจากติดตั้ง**

หมายเหตุ:

- ใช้ฟิวส์จำเพาะแทนฟิวส์ หากฟิวส์ขาดบ่อย ให้ปรึกษาร้านขายเครื่องเสียงรถยนต์ JVC
- ขอแนะนำให้ต่อลำโพง ที่มีกำลังขับสูงเกินกว่า 50 W (ทั้งด้านหน้าและด้านหลัง มีค่าความต้านทาน **4 Ω ถึง 8 Ω**) ถ้ากำลังขับต่ำกว่า 50 W ให้เปลี่ยนค่า "AMP GAIN" เพื่อป้องกันไม่ให้ลำโพงชำรุด (ดูหน้า 24 คำแนะนำ)
- การป้องกันการลัดวงจร จะต้องพันขั้วสายตะกั่ว ที่ไม่ใช้แล้วด้วยเทปพันสายไฟ
- แผ่นระบายความร้อนจะร้อนมากหลังจากใช้ ระมัดระวังอย่าไปสัมผัสเมื่อถอดชุดประกอบนี้

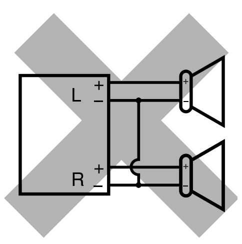


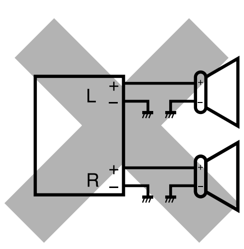
PRECAUTIONS on power supply and speaker connections:

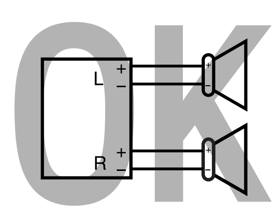
- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

ข้อควรระวังสำหรับการต่อแหล่งจ่ายกำลังและลำโพง:

- **อย่าต่อสายตะกั่วเคเบิลกำลังของลำโพงเข้ากับแบตเตอรี่รถยนต์ มิฉะนั้น ชุดประกอบจะได้รับความเสียหายมาก**
- ก่อนที่จะต่อสายตะกั่วเคเบิลกำลังของลำโพงเข้ากับลำโพง ให้ตรวจจอบการเดินสายไฟลำโพงในรถของคุณให้เรียบร้อยเสียก่อน







TROUBLESHOOTING

- **The fuse blows.**
  * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
  * Is the yellow lead connected?
- **No sound from the speakers.**
  * Is the speaker output lead short-circuited?
- **Sound is distorted.**
  * Is the speaker output lead grounded?
  * Are the "–" terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
  * Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- **Unit becomes hot.**
  * Is the speaker output lead grounded?
  * Are the "–" terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
  * Have you reset your unit?

การตรวจจอบปัญหาขัดข้อง

- **ฟิวส์ขาด**
  * มีการเชื่อมสายตะกั่วสีดำและสีแดงอย่างถูกต้องหรือไม่
- **ไม่สามารถเปิดเครื่องได้**
  * มีการเชื่อมสายตะกั่วสีเหลืองหรือไม่
- **ไม่มีเสียงออกจากลำโพง**
  * สายตะกั่วส่วนที่ออกทางลำโพงเกิดไฟฟ้าลัดวงจรหรือไม่
- **เสียงเพี้ยน**
  * สายตะกั่วส่วนที่ออกทางลำโพงต่อลงดินหรือไม่
  * สายขั้วลบ "–" ของลำโพงด้านซ้าย (L) และขวา (R) ต่อลงดินตามปกติหรือไม่
- **เสียงรบกวน**
  * มีการใช้สายสั้นๆ หรือหนาๆ ต่อจากเครื่องส่วนที่ติดตั้ง ไว้บนพื้นด้านหลังกับตัวถังรถยนต์หรือไม่
- **ชุดประกอบร้อนขึ้น**
  * สายตะกั่วส่วนที่ออกทางลำโพงต่อลงดินหรือไม่
  * สายขั้วลบ "–" ของลำโพงด้านซ้าย (L) และขวา (R) ต่อลงดินตามปกติหรือไม่
- **เครื่องรับนี้ทำงานไม่**
  * ท่านได้ตั้งเครื่องใหม่หรือยัง

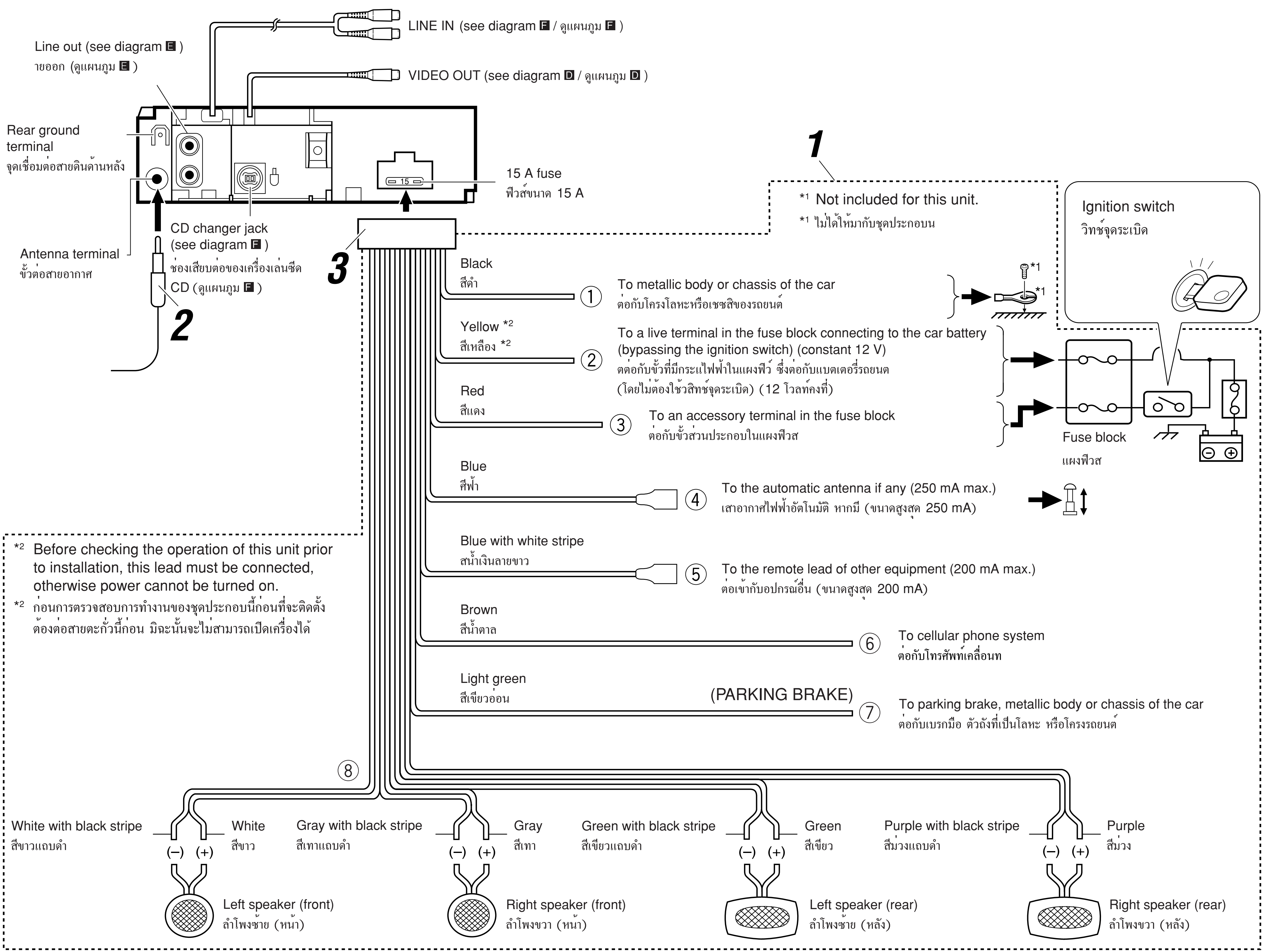
A Typical Connections / การเชื่อมต่อแบบปกติ

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

1. Connect the colored leads of the power cord in the order specified in the illustration below.
2. Connect the antenna cord.
3. Finally connect the wiring harness to the unit.

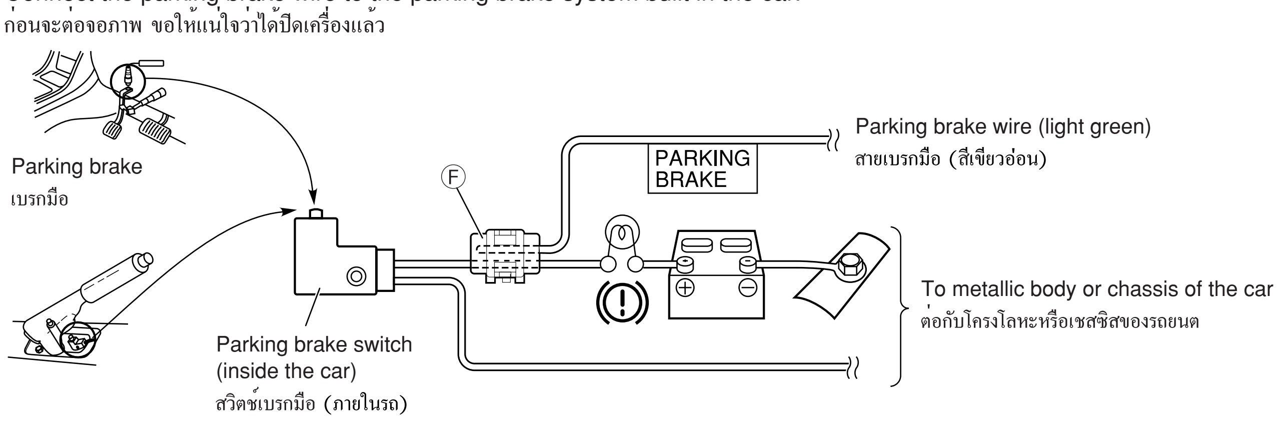
ก่อนทำการเชื่อมต่อ: ตรวจ อดกาดเดิด ายไฟใดดดยต์อย่างตะมัดตะว้อยำให้ผิดพลาดใดกาดเชต่อมต่อชุดปะดอดชุดดี กาดเชต่อมต่อผิดพลาดอาจทำให้เกิดความเสียหายต้ายแดงกัดชุดปะ
กอดดี้ด้าดตะกั่วของ ายไฟ และของอุปกดต์ต่อเชต่อมจากตัวด งดดอาจมี ที่ไม่เหมดอดกัด

1. ต่อสายไฟตามลำดับที่ระบุในรูปด้านล่าง
2. เชื่อมต่อกับายอากาศ
3. สุดท้าย ต่อส่วนควบคุมการเดินสายไฟเข้ากับชุดประกอบชุดนี้

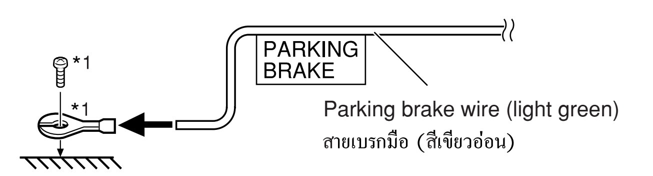


B Connecting the parking brake wire / ต่อสายเบรกมือ

When installing the monitor in a location where it can be seen by the driver
อละติดตั้งจอมอนิเตอร์ในตำแหน่งที่ผู้ขับสามารถมองเห็นได้ิ้ม
Connect the parking brake wire to the parking brake system built in the car.
ก่อนจะต่อจอภาพ ขอให้แน่ใจว่าได้ปิดเครื่องแล้ว



When installing the monitor in a location where it cannot be seen by the driver
เมื่อจะติดตั้งจอมอนิเตอร์ในตำแหน่งที่ผู้ขับไม่สามารถมองเห็นได้
Connect the parking brake wire to metallic body or chassis of the car.
ต่อสายเบรกมือกับตัวถังที่เป็นโลหะหรือโครงรถยนต



C Connecting the crimp connector / วิธีต่อขั้วต่อสำหรับหนีบ

Wire connecting the battery and the parking brake switch.
สายที่ต่อกับแบตเตอรี่และสวิตช์เบรกมือ

Contact the metallic part of the crimp to the wires inside.
ให้ส่วนที่เป็นโลหะของตัวหนีบสัมผัสกับสายข้างใน

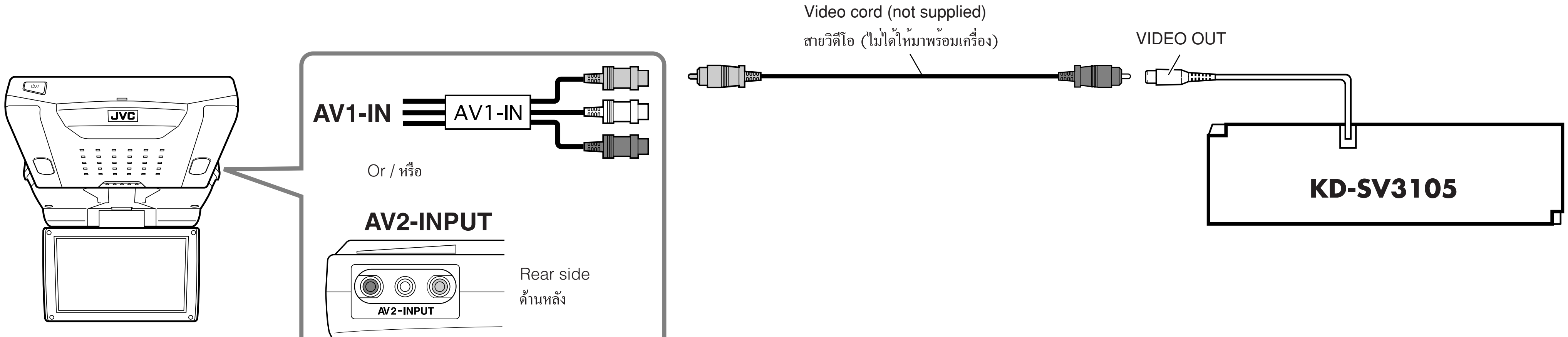


Attach the parking brake wire to this point
อสายเบรกมือที่จุดนี้

Pinch the crimp firmly.
หนีบให้แน่น

D Connecting the monitor / การต่อจอภาพ

Before connecting the monitor, make sure the unit is turned off.
ก่อนจะต่อจอภาพ ขอให้แน่ใจว่าได้ปิดเครื่องแล้ว

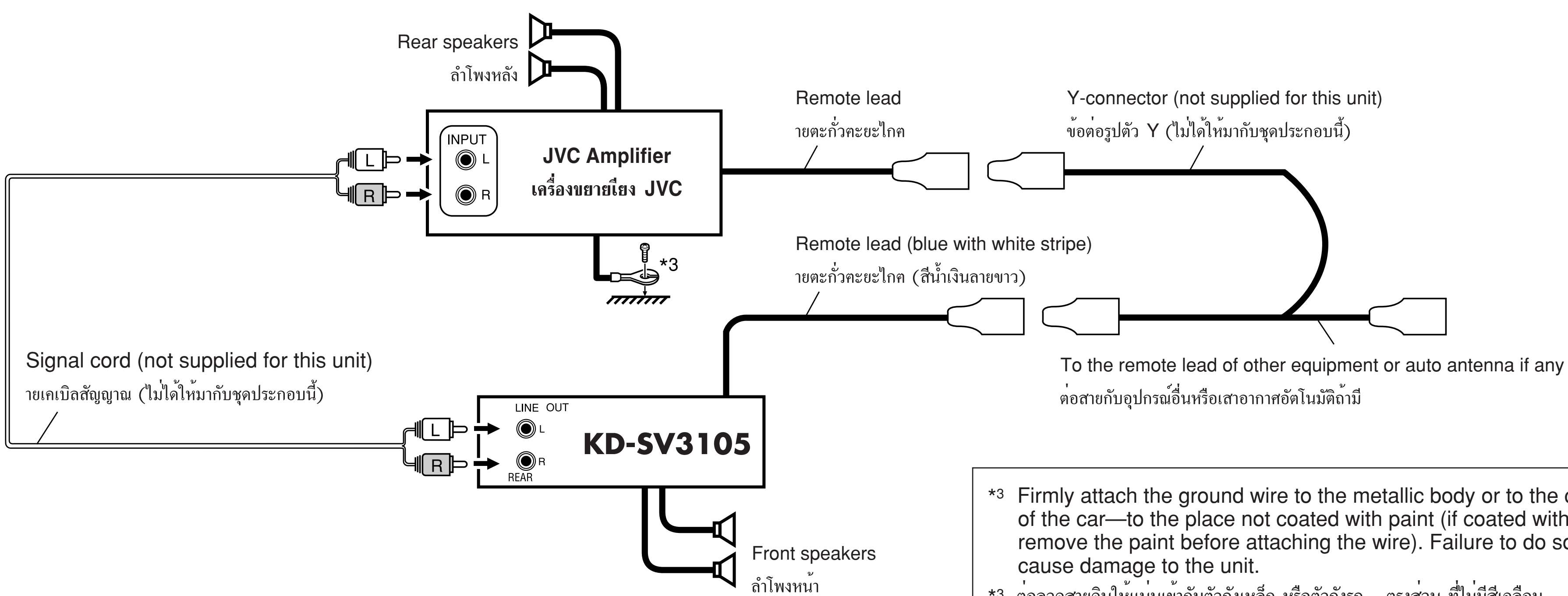


KV-MR9010
9-INCH WIDESCREEN MONITOR
(not supplied)
มอนิเตอร์สีจอกว้าง 9 นิ้ว
(ไม่ได้ให้มาพร้อมเครื่อง)

E Connecting the external amplifier / การต่อเพิ่มเติมเข้ากับอุปกรณ์อื่น

You can connect amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**

คุณมารถต่อกับแอมพลิฟายเออร์ และอุปกรณ์อื่นๆได้ เพื่อเพิ่มคุณ ภาพเสียงให้กับระบบสเตอริโอของรถยนต์
- ต่อสายตะกั่วระยะไกล (สีน้ำเงินลายขาว) เข้ากับสายตะกั่วระยะไกลของอุปกรณ์อื่น ๆ เพื่อจะสามารถควบคุมโดยชุดประกอบนี้ได้
- **ถอดลำโพงออกจากชุดประกอบนี้ แล้วต่อเข้ากับเครื่องขยาย ทิ้งสายตะกั่วลำโพงของชุดประกอบนี้ไว้**

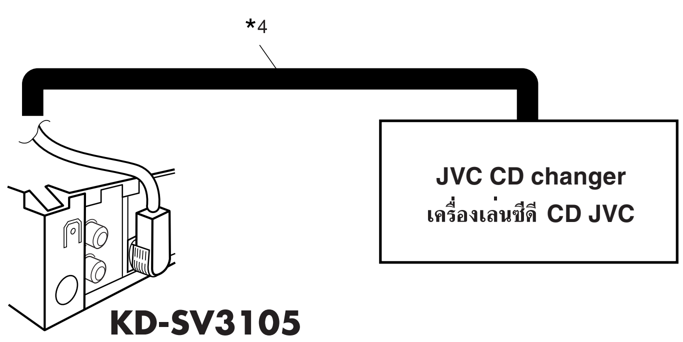


*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.
*3 ต่อลวดสายดินให้แน่นเข้ากับตัวถังเหล็ก หรือตัวถังรถ—ตรงส่วน ที่ไม่มีสีเคลือบ (หากมีสีเคลือบอยู่ ให้ขูดสีออกก่อน ก่อนต่อลวดสายดิน) หากไม่ปฏิบัติตามคำแนะนำนี้ เครื่องอาจชำรุดหรือเสียหายได้

F Connecting the external components / การต่อเพิ่มเติมเข้ากับอุปกรณ์อื่น ๆ

JVC CD changer / เครื่องเล่นซีดี CD JVC

- Refer also to page 15 of the INSTRUCTIONS.
- ดูรายละเอียดในหน้า 15 ของข้อแนะนำด้วย

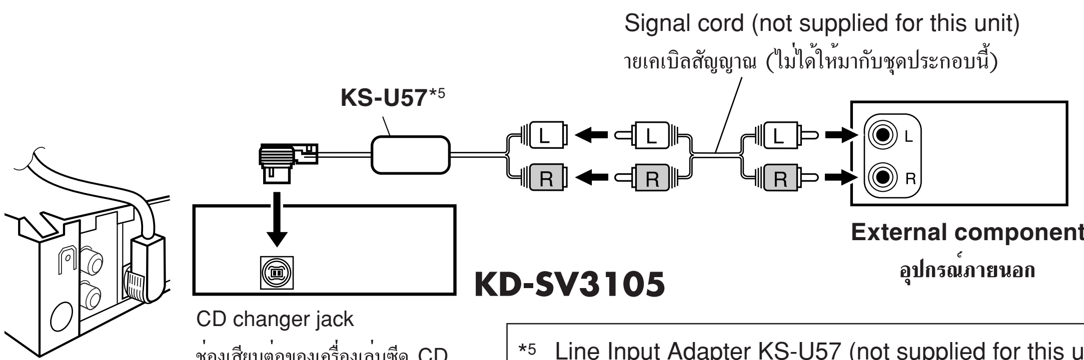


*4 Connecting cord supplied for your CD changer
*4 สายต่อให้มาพร้อมเครื่องเล่นซีด

CAUTION / ข้อควรระวัง:
- Before connecting the CD changer, make sure that the unit is turned off.
- ก่อนจะเชื่อมต่อ CD เชนเจอร์ กรุณาตรวจสอบให้แน่ใจว่าปิดเครื่องอยู่

External component / อุปกรณ์ภายนอก

Set external input to "EXT IN" (see page 24 of the INSTRUCTIONS).
ตั้งสัญญาณเข้าจากภายนอกเป็น "EXT IN" (ดูหน้า 24 คำแนะนำ)



*5 Line Input Adapter KS-U57 (not supplied for this unit)
*5 อแดปเตอร์ สายสัญญาณเข้า KS-U57 (ไม่ได้ให้มากับชุดประกอบนี้)

